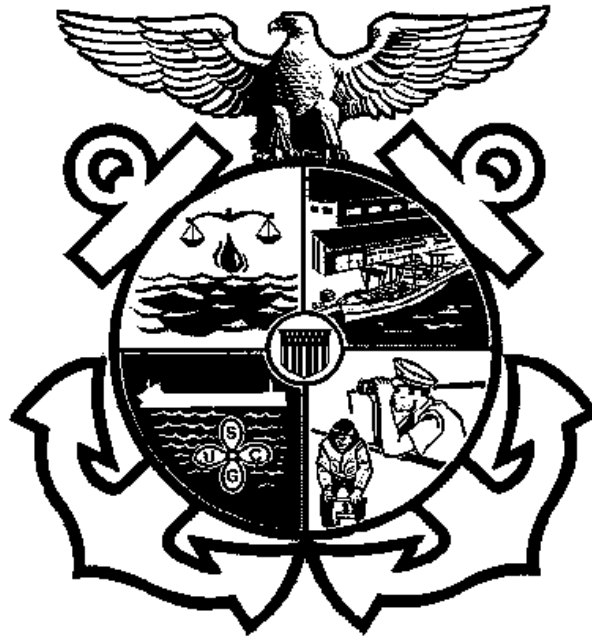

Foreign Chemical Tank Vessel Inspector (ML)



PQS Workbook

ML Qualification Task Matrix

| TSK # | TASK | DATE |
|-------|--|------|
| AC03 | Inspect berthing accommodations for compliance with ILO 147. | |
| CS13 | Examine foreign flag vessel's IGS/COW operation/equipment manual. | |
| CS23 | Check that the Cargo Information Cards are on board. | |
| CS24 | Check that accurate & correctly posted cargo location plan is on board. | |
| CS25 | Check that a cargo piping plan is on board. | |
| CS27 | Check person in charge of transfer operations. | |
| CS28 | Check that incompatible cargoes are properly separated. | |
| CS29 | Check cargo tanks' spill valves. | |
| DD05 | During a foreign vessel examination, evaluate shell plating for damage. | |
| DD30 | During a foreign vessel exam, conduct inspection of internal structures. | |
| EE07 | Check that necessary cargo antidotes are on board. | |
| EE08 | Examine shower and eyewash stand. | |
| ES01 | Inspect switchboards. | |
| ES02 | Inspect ship's service generators. | |
| ES04 | Inspect emergency generators. | |
| ES05 | Inspect battery installation. | |
| FF03 | Examine fixed gas firefighting system servicing report. | |
| FF12 | Inspect fire main and fire stations during foreign vessel exam. | |
| FP04 | Verify that specified warning signals and signs are in place. | |
| II02 | During a foreign vessel exam, review vessel documents and papers. | |
| II10 | Determine if vessel has any outstanding conditions of class. | |
| II11 | Examine the vessel's existing LOC. | |
| II12 | Determine if the vessel has a valid COF. | |
| II13 | Determine if the vessel has any deficiencies from last LOC examination. | |
| II14 | Compare the IMO COF and list of approved cargoes against the SOE. | |
| II15 | Verify a cargo manifest conforming to appropriate CFRs is on board. | |
| II16 | Verify that a Certificate of Inhibition is on board. | |
| LS03 | During foreign vessel exam, determine lifesaving equipment required. | |
| MI03 | Determine if additional requirements for TV steering systems are met. | |

ML Qualification Task Matrix

| TSK # | TASK | DATE |
|-------|---|------|
| MI13 | Inspect the diesel installation and assembly. | |
| MI16 | Inspect air starting systems. | |
| MI17 | Inspect hydraulic starting systems. | |
| MI18 | Inspect electric starting systems. | |
| PP01 | Inspect pollution prevention equipment and documentation. | |
| RT04 | Complete HT qualification. | |

Trainee's OJT Manual has been reviewed and I recommend a training qualification board be scheduled.

Training Officer: _____

Date: _____

Date Qualification Board Completed: _____

ML Tasks

| <u>Task Number</u> | <u>OJT Task</u> | <u>Date Completed</u> | <u>Verifying Officer</u> |
|------------------------|--|---------------------------|------------------------------|
| AC03 | Inspect berthing accommodations for compliance with ILO 147. <ul style="list-style-type: none"> • Protection against weather and sea • Minimal steam supply and exhaust piping • Sufficient drainage • Adequate ventilation • Heating system • Adequate lighting • Sleeping quarters located above the load line • Required floor area per person • No direct openings to cargo, machinery, galley, or storeroom • Clear headroom • Number of persons per room meets requirements • Each crew member has own berth • Berths arranged, constructed, and sized properly • Rooms outfitted with table or desk, mirror, small cabinet, book rack, coat hooks, and locker | _____ | _____ |
| CS13 | Ensure that foreign vessel has an IGS/COW operations and equipment manual on board that meets the criteria of the regulations. | _____ | _____ |
| CS23 | Ensure the required Cargo Information Cards are on board. | _____ | _____ |
| CS24 | Ensure that an accurate and correctly posted cargo location plan is on board. | _____ | _____ |
| CS25 | Ensure that a cargo piping plan is on board. | _____ | _____ |
| CS27 | Ensure that the person in charge of transfer operations is eligible and properly designated. | _____ | _____ |
| CS28 | Ensure that incompatible cargoes are properly separated. | _____ | _____ |
| CS29 | Ensure that cargo tanks' spill valves operate properly. | _____ | _____ |
| DD05 | During a foreign vessel examination, evaluate shell plating for damage. | _____ | _____ |
| DD30 | During a foreign vessel exam, conduct inspection of internal structures. | _____ | _____ |

ML Tasks

| <u>Task Number</u> | <u>OJT Task</u> | <u>Date Completed</u> | <u>Verifying Officer</u> |
|------------------------|---|---------------------------|------------------------------|
| EE07 | Ensure that necessary cargo antidotes are on board. | _____ | _____ |
| EE08 | Ensure that an operable shower and eyewash stand are onboard and properly marked. | _____ | _____ |
| ES01 | Inspect switchboards. <ul style="list-style-type: none"> • Nonconductive mat on deck in front of board • Nonconductive rails on board face • Nonconductive rails at the rear and sides • Dripshield on the board's top • Ground detection indicators working with no grounds indicated • Meters calibrated and working • Synchronizing controls working • Identification for controls and meters • Area is dry and clean • Working space is provided in accordance with regulations • Overcurrent protection properly labeled | _____ | _____ |
| ES02 | Inspect ship's service generators. <ul style="list-style-type: none"> • Generators of a size or arrangement which require overspeed trips • Operational test of overspeed trips and alarms within specified limits • If the DC or AC generators operate in parallel, are the reverse power/current trips working • Guards installed around rotating or live machinery • Discoloration from overheating apparent • Filters on air intakes working to keep internals free from dust and dirt • Windings oily or dirty • Odd bearing noises present • Voltage regulated within limits specified by CFR • Working diesel low lube oil pressure trip and alarms • Working high temperature detectors and alarms for AC generators • Nameplates properly in place | _____ | _____ |
| ES04 | Inspect emergency generator. <ul style="list-style-type: none"> • Means of starting is provided • The following alarms/shutdowns are operable: <ul style="list-style-type: none"> – Low lube oil pressure – High cooling water temperature – Overspeed – Fixed firefighting system shutdown | _____ | _____ |

ML Tasks

| <u>Task Number</u> | <u>OJT Task</u> | <u>Date Completed</u> | <u>Verifying Officer</u> |
|------------------------|---|---------------------------|------------------------------|
| ES04 (cont'd.) | <ul style="list-style-type: none"> • The generator auto-start circuit functions and the generator can power its full-rated load within 20 seconds and accept the final emergency load within 45 seconds of loss of the normal power supply • Independent fuel supply is provided, with remote shut-off valve installed and properly marked | | |
| ES05 | Inspect emergency batteries. <ul style="list-style-type: none"> • Size of installation and required ventilation • Battery box is properly lined • Batteries are secure in the trays • Adequate space is provided over the cells • A means of charging is provided • Conductor overcurrent protection is provided • Ventilation/charger interlocked | _____ | _____ |
| FF03 | Examine fixed gas firefighting system servicing report. | _____ | _____ |
| FF12 | Inspect fire main and fire stations during a foreign vessel exam. <ul style="list-style-type: none"> • Fire hoses meet acceptable standards • Equipment provided at each required fire station pursuant to regulations • Fire hoses serviceable after hydro testing • Valves at fire stations operable • Fire main(s), hose(s), and equipment compatible at each station • Markings correct | _____ | _____ |
| FP04 | Verify that specified warning signals and signs are in place. | _____ | _____ |
| II02 | During a foreign vessel exam, review vessel documents listed in MSIS and VFLD and papers. | _____ | _____ |
| II10 | Determine if vessel has any outstanding conditions of class. | _____ | _____ |
| II11 | Examine the vessel's existing LOC. | _____ | _____ |
| II12 | Determine if the vessel has a valid Certificate of Fitness issued by the flag state. | _____ | _____ |
| II13 | Determine if the vessel has any deficiencies from the last | _____ | _____ |

ML Tasks

| <u>Task Number</u> | <u>OJT Task</u> | <u>Date Completed</u> | <u>Verifying Officer</u> |
|------------------------|---|---------------------------|------------------------------|
| | LOC examination. | | |
| II14 | Compare the IMO Certificate of Fitness and list of approved cargoes against the Subchapter O Endorsement issued by the OCMI. | _____ | _____ |
| II15 | Verify that a cargo manifest conforming to appropriate CFRs is on board. | _____ | _____ |
| II16 | Verify that a Certificate of Inhibition is on board. | _____ | _____ |
| LS03 | During a foreign vessel exam, determine amount and type of lifesaving equipment required. <ul style="list-style-type: none"> • SOLAS | _____ | _____ |
| MI03 | Determine if additional requirements for tank vessel steering systems are met. <ul style="list-style-type: none"> • For tank vessels 10,000 GT or greater • For tank vessels 40,000 GT or greater | _____ | _____ |
| MI13 | Inspect the diesel installation and assembly, paying particular attention to the following: <ul style="list-style-type: none"> • Crankcase explosion covers • Fuel and lube oil fittings (checking for leakage) • Instrumentation • Gratings and rails around the engine Guards over rotating machinery <ul style="list-style-type: none"> • Exhaust system: <ul style="list-style-type: none"> – Leaks – Lagging – Proximity of combustible material or walkways – Water cooling system – Bulkhead penetrations • Engine foundations and tank top's structural condition • Air intakes • Crankcase vents (clear) | _____ | _____ |
| MI16 | Inspect air starting systems. <ul style="list-style-type: none"> • Air receivers • Piping • Compressors | _____ | _____ |
| MI17 | Inspect hydraulic starting systems. <ul style="list-style-type: none"> • Pumps and strainers | _____ | _____ |

ML Tasks

| <u>Task Number</u> | <u>OJT Task</u> | <u>Date Completed</u> | <u>Verifying Officer</u> |
|------------------------|--|---------------------------|------------------------------|
| | <ul style="list-style-type: none"> • Piping • Accumulators | | |
| MI18 | Inspect electrical starting systems. | _____ | _____ |
| PP01 | Inspect pollution prevention equipment and documentation. <ul style="list-style-type: none"> • Discharge containment in place and of the proper type and size for cargo, fuel, or lube oil, as needed • Slop tank provided and located in accordance with regulations • Pump, fixed or portable piping system(s), valve(s), and controls, as the regulation apply to vessel in question, are provided to remove dirty oil and bilge slops • Pump, fixed piping, valve(s), and controls are provided for combined fuel and ballast tank(s) as needed and where specified by regulation • Oily water separator installed properly and functions correctly • Oil discharge prohibition placard is placed at the bilge and ballast manifold and/or in each machinery space • No fuel or dirty oil is carried in a prohibited oil space except as specified by regulation • Proper documentation for the person(s) assigned to vessel who deal directly with oil transfer to and from vessel • Required transfer procedures are correct, complete, and available to assigned personnel as required • Emergency shutdown system(s) function properly • Adequate communication between participants in transfer operations and sufficient lighting at critical work stations are provided where specified by regulation. • Required records for tests and inspections of oil transfer hoses and equipment and declarations of inspection are available, current and correct, where required • Scupper plugs are available for use during oil transfer operations | _____ | _____ |
| RT04 | Complete HT qualification. | _____ | _____ |

[illegible]

[illegible]

NOTES

[illegible]

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal blue or grey lines across the entire width of the page, typical of notebook paper. There are no margins, text, or other markings present.